

ABSTRACT

It is possible to smoothly separate a signal according to the frequency band. An input signal processing device includes: an input signal terminal (10) for receiving an input signal; a grounding capacitance element (22) which is grounded; a grounding inductance element (24) which is grounded; a connection inductance element (32) for connecting the grounding capacitance element (22) to the input signal terminal (10); a connection capacitance element (34) for connecting the grounding inductance element (24) to the input signal terminal (10); a first switch (52) for switching whether to ground a first intermediate portion (42) between the connection inductance element (32) and the grounding capacitance element (22); and a second switch (54) for switching whether to ground a second intermediate portion (44) between the connection capacitance element (34) and the grounding inductance element (24). When the first switch (52) is turned ON, it is possible to acquire a high-frequency component from a high-frequency component output terminal (64) and when the second switch (54) is turned ON, it is possible to acquire a low-frequency component from a low-frequency component output terminal (62).